QUICK REFERENCE

Braeburn

■ Digital Programmable

Model	2020 / 2020NC	2220	5000	5300	5400
Description	5-2 Day Programmable	5-2 Day Programmable	7 Day, 5-2 Day Programmable	7 Day, 5-2 Day Programmable or Non-Programmable	7 Day, 5-2 Day Programmable or Non-Programmable
Compatibility	Conventional Systems, Heat Pump	Conventional Systems, Heat Pump	Conventional Systems	Conventional Systems	Conventional Systems, Heat Pump
Staging	1 Heat / 1 Cool	2 Heat / 2 Cool	1 Heat / 1 Cool	3 Heat / 2 Cool	3 Heat / 2 Cool
Programming	5-2 Day	5-2 Day	5-2 Day, 7 Day	Non-Programmable, 5-2 Day, 7 Day	Non-Programmable, 5-2 Day, 7 Day
Power	Battery, Hardwire	Battery, Hardwire	Battery, Hardwire	Battery, Hardwire	Battery, Hardwire
Terminations	Rc, Rh, W1, Y1, G, O, B, C	Rc, Rh, E/W1, W2, Y1, Y2, G, O, B, C	Rc, Rh, B, O, Y, W,G, C	Rc, Rh, W1/E/W3, W2, Y1, Y2, G, O, B, C, L, A/D, S1, S2	Rc, Rh, W1/E/W3, W2, Y1, Y2, G, O, B, C, L, A/D, H, S1, S2
Backlight	Bright Blue	Bright Blue	Bright Blue	Bright Blue	Bright Blue
Keypad Lockout	No	No	Yes	Multi-Level	Multi-Level
Auto Changeover	No	No	No	Yes	Yes
Adj. Temp. Limits	Yes	Yes	No	Yes	Yes
Programmable Fan	No	No	No	Yes	Yes
Humidity Control	No	No	No	No	Yes
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year

■ Digital Non-Programmable

Model	1020 / 1020NC	3000	3200	3300
Description	Non-Programmable	Non-Programmable	Non-Programmable	Non-Programmable
Compatibility	Conventional Systems, Heat Pump	Conventional Systems, Heat Pump	Conventional Systems, Heat Pump	Conventional Systems, Heat Pump
Staging	1 Heat / 1 Cool	1 Heat / 1 Cool	2 Heat / 2 Cool	3 Heat / 2 Cool
Power	Battery, Hardwire	Battery, Hardwire	Battery, Hardwire	Battery, Hardwire
Terminations	Rc, Rh, O, B, Y1, W1, G, C	Rc, Rh, W, Y, G, O, B, C	R, E/W1, W2, Y1, Y2, G, O, B, C, L	Rc, Rh, W1/E/W3, W2, Y1, Y2, G, O, B, C, L, S1, S2
Backlight	Bright Blue	Bright Blue	Bright Blue	Bright Blue
Keypad Lockout	No	Yes	Yes	Multi-Level
Auto Changeover	No	No	No	Yes
Adj. Temp. Limits	Yes	No	No	Yes
Programmable Fan	No	No	No	No
Humidity Control	No	No	No	No
Warranty	5 Year	5 Year	5 Year	5 Year

■ Mechanical

Model	500	505
Compatibility	Conventional Systems, Heat Pump	Conventional Systems
Staging	1 Heat / 1 Cool	Heat Only
Power	Hardwire	Hardwire
Terminations	Rc, Rh, W, Y, G, O, B	Rh, W
Backlight	None	None
Warranty	1 Year	1 Year

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DIGITAL PROGRAMMABLE

Braeburn

Models 2020, 2020NC, 2220 & 5000

Common Features:
- Dual Powered – Hardwired or Battery
- Non-Volatile Memory Retains Users Settings
- Filter Check Monitor
- Adaptive Recovery Mode (ARM™)
- ESD Guard™ Electronic Circuity
- Compressor Short Cycle Protection
- Programmable Extended Hold Mode
- Separate Heating & Cooling Set Point Program Times & Temperatures
- Front Access Reset Button
- F° / C° Switch
- Low Battery Indication

Common Specifications:
- AC Power: 18-30 Volt AC
- DC Power: 3.0 Volts DC - (2 "AA" Alkaline batteries inc.)
- Control Range: 45° to 90° F (7° to 32° C)
- Display Range: 40° to 99° F (5° to 37° C)
- Accuracy: +/- 1° F (+/- .5° C)
- Operating Humidity: 5% to 95% Relative Humidity

2020

- 1 Heat / 1 Cool

Compatibility:
- Single stage gas, oil, or electric systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Additional Features:
- Large 3 Sq. In. Display
- 5-2 Day Separate Weekday / Weekend Programming
- Adjustable Temperature Limits & Differential
- Mount to Horizontal Box

5 YEAR LIMITED WARRANTY

Additional Specifications:
- Dimensions: 3.70" x 5.16" x 1.38"
- Terminations: Rh, Rc, Y1, G, W1, O, B, C
- Electric Rating: 24 Volt AC
  1 amp maximum load per terminal
  3 amp total maximum load (all terminals)

Model No.	Prod. No.
2020	**.54393**

2020NC

- 1 Heat / 1 Cool

Compatibility:
- Single stage gas, oil, or electric systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Additional Features:
- Large 2 Sq. In. Display
- 5-2 Day Programming
- Adjustable Temperature Limits & Differential
- Mount to Horizontal Box

5 YEAR LIMITED WARRANTY

Additional Specifications:
- Dimensions: 3.62" x 4.72" x 1.38"
- Terminations: Rc, Rh, O, B, Y1, W1, G, C
- Electric Rating: 24 Volt AC
  1 amp maximum load per terminal
  3 amp total maximum load (all terminals)

Model No.	Prod. No.
2020NC	**.152957**

2220

- 2 Heat / 2 Cool

Compatibility:
- Multi-stage conventional or heat pumps systems with up to two stages of heating & one stage of cooling

Additional Features:
- 5-2 Day Separate Weekday / Weekend Programming
- Adjustable 1st & 2nd Stage Temperature Differential
- Auxiliary Heat Status Indicator
- Mount to Horizontal Box

5 YEAR LIMITED WARRANTY

Additional Specifications:
- Dimensions: 3.75" x 4.94" x 1.19"
- Terminations: R, O, B, C, Y1, E/W1, G, W2
- Temp. Differential: 1st Stage - .5°, 1°, or 2° F (.25°, .5°, or 1° C)
  2nd Stage - 2°, 3°, 4°, 5°, or 6° F
  (1°, 1.5°, 2°, 2.5°, or 3° C)

Model No.	Prod. No.
2220	**.112236**

5000

- 1 Heat / 1 Cool

Compatibility:
- Single stage gas, oil, or electric systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Additional Features:
- Universal 7 Day or 5-2 Day Programming
- Recirculating Fan Mode
- Residual Cooling Fan Delay
- Adjustable Temperature Differential
- Gas / Electric Fan Switch
- Mounts to Vertical or Horizontal Box
- Keypad Lockout

5 YEAR LIMITED WARRANTY

Additional Specifications:
- Dimensions: 4.63" x 5.00" x 1.25"
- Terminations: Rc, Rh, B, O, Y, W, G, C
- Temp. Differential: .5°, 1°, or 2° F (.25°, .5°, or 1° C)

Model No.	Prod. No.
5000	**.58164**

DIGITAL PROGRAMMABLE OR NON-PROGRAMMABLE

Braeburn

Models 5300 & 5400

Common Features:
- 7 Day, 5-2 Programming or Non-Programmable
- Dual Powered – Hardwired or Battery
- Adjustable Temperature Limits
- Filter, UV and Humidifier Pad Check Monitor
- Adaptive Recovery Mode (ARM™)
- Programmable AC Monitoring
- Compressor Short Cycle Protection
- Large Display with Bright Blue Backlight
- Simple Menu-Driven Programming
- Remote Indoor / Outdoor Sensor Compatible
- Circulating Fan Mode
- Auxiliary Heat Fossil Fuel Programming Option
- 1st, 2nd & 3rd Stage Adjustable Temp Differential
- Programmable Extended Hold Mode
- Compressor Power Outage Protection
- Separate Installer & User Setup Modes
- Installer Clear Button & Front Access Reset Button
- Residential or Commercial Program Modes
- Programmable Independent Fan Control
- Multi-Level Keypad Lockout
- Non-Volatile Memory to Maintain User Settings
- Easy Access Front Battery Door
- Gas or Electric Fan Control

Common Specifications:
- Dimensions: 4.63" x 5.00" x 1.20"
- AC Power: 18-30 Volt AC
- DC Power: 3.0 Volts DC - (2 "AA" Alkaline batteries inc.)
- Control Range: 45º to 90º F (7º to 32º C)
- Display Range: 40º to 99º F (5º to 37º C)
- Accuracy: +/- 1º F (+/- .5º C)
- Operating Humidity: 5% to 95% Relative Humidity

5300

- 3 Heat / 2 Cool

Compatibility:
- Single stage or Multi-stage heat / cool systems including heat pumps with up to three stages of heating and two stages of cooling. Three stage heat available on heat pump systems.
- 250mv – 750mv millivolt heating systems

Additional Features:
- Separate Heating & Cooling Program Set Point Times & Temperatures
- Two Outside Air Modes – Economizer & Time of Day
- Heat Pump Fault Monitoring

5 YEAR LIMITED WARRANTY

Additional Specifications:
- Electrical Rating: 24 Volt AC (18-30 Volt AC)
1 amp maximum load per terminal
6 amp total maximum load (all terminals)
- Terminations: A, G, Rc, Rh, W2, B, O, Y1, Y2, W1/E/W3, C, L, S1, S2
- Temp. Differential: 1st Stage - .2º, .5º, or 1º F (.1º, .25º, or .5º C)
2nd & 3rd Stage - 1º, 2º, 3º, 4º, 5º, or 6º F
(0.5º, 1º, 1.5º, 2º, 2.5º, or 3º C)

Model No.	Prod. No.
5300	**.59016**

5400

- 3 Heat / 2 Cool

Compatibility:
- Single stage or Multi-stage heat / cool systems including heat pumps with up to three stages of heating and two stages of cooling.
- 250mv – 750mv millivolt heating systems

Additional Features:
- ESD Guard™ Electronic Circuitry
- Temporary Program Override up to 4 Hours or Until Next Set Point
- Programmable Humidification Control
- Dehumidification Control

5 YEAR LIMITED WARRANTY

Additional Specifications:
- Electrical Rating: 24 Volt AC (18-30 Volt AC)
1 amp maximum load per terminal
7 amp total maximum load (all terminals)
- Terminations: A/D, H, G, Rc, Rh, W2, B, O, Y1, Y2, W1/E/W3, C, L, S1, S2
- Temp. Differential: 1st Stage - .5º, 1º, or 2º F (.25º, .5º, or 1º C)
2nd & 3rd Stage - 1º, 2º, 3º, 4º, 5º, or 6º F
(0.5º, 1º, 1.5º, 2º, 2.5º, or 3º C)

Model No.	Prod. No.
5400	**.115433**

DIGITAL NON-PROGRAMMABLE

Braeburn

Models 1020 & 1020NC

Common Features:
- Dual Powered – Hardwire or Battery
- Permanent Memory Retains Settings
- Adjustable Temperature Limits
- Separate O & B Terminals
- Compressor Short Cycle Protection
- Bright Blue Backlight
- Low Battery Indication
- ESD Guard™ Electronic Circuity
- Front Access Reset Button
- Fº / Cº Switch
- Gas / Electric Fan Switch
- Mount to Horizontal Box

Common Specifications:
- Electric Rating: 24 Volt AC (18-30 Volt AC)
1 amp maximum load per terminal
3 amp total maximum load (all terminals)
- AC Power: 18-30 Volt AC
- DC Power: 3.0 Volts DC - (2 "AA" Alkaline batteries inc.)
- Control Range: 45º to 90º F (7º to 32º C)
- Display Range: 40º to 99º F (5º to 37º C)
- Accuracy: +/- 1º F (+/- .5º C)
- Temp Differential: .5º, 1º, or 2º F (.25º, .5º, or 1º C)
- Operating Humidity: 5% to 95% Relative Humidity
- Terminations: Rc, Rh, B, O, Y1, W1, G, C

Thermostats

DIGITAL NON-PROGRAMMABLE

Braeburn

1020

- 1 Heat / 1 Cool

Compatibility:
- Single stage gas, oil, or electric systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Additional Features:
- Large 3 Sq. In. Display
- Adjustable Temperature Differential

Additional Specifications:
- Dimensions: 3.70" x 5.16" x 1.38"

Model No.	Prod. No.
1020	**.52835**

1020NC

- 1 Heat / 1 Cool

Compatibility:
- Single stage gas, oil, or electric systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Additional Features:
- Large 2 Sq. In. Display

Additional Specifications:
- Dimensions: 3.62" x 4.72" x 1.38"

Model No.	Prod. No.
1020NC	**.152956**

Models 3000, 3200 & 3300

Common Features:
- Dual Powered – Hardwired or Battery
- Large Display with Bright Blue Backlight
- Non-Volatile Memory to Maintain User Settings
- Easy Access Front Battery Door
- Separate O & B Terminals
- Separate Heating & Cooling Set Points
- Circulating Fan Mode
- ESD Guard™ Electronic Circuity
- Residual Cooling Fan Delay
- Mount to Horizontal or Vertical Box

Common Specifications:
- AC Power: 18-30 Volt AC
- DC Power: 3.0 Volts DC - (2 "AA" Alkaline batteries inc.)
- Control Range: 45º to 90º F (7º to 32º C)
- Display Range: 40º to 99º F (5º to 37º C)
- Accuracy: +/- 1º F (+/- .5º C)
- Operating Humidity: 5% to 95% Relative Humidity

3000

- 1 Heat / 1 Cool

Compatibility:
- Single stage gas, oil, or electric systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Additional Features:
- Compressor Short Cycle Protection
- Adjustable Temperature Differential
- Fº / Cº Switch
- Gas / Electric Fan Switch
- Keypad Lockout
- Low Battery Indication

Additional Specifications:
- Dimensions: 4.63" x 5.00" x 1.25"
- Electric Rating: 24 Volt AC (18-30 Volt AC)
  1 amp maximum load per terminal
  3 amp total maximum load (all terminals)
- Temp. Differential: .5º, 1º, or 2º F (.25º, .5º, or 1º C)
- Terminations: Rc, Rh, B, O, Y, W, G, C

Model No.	Prod. No.
3000	**.57162**

3200

- 2 Heat / 2 Cool

Compatibility:
- Multi-stage conventional or heat pump systems with up to two stages of heating and two stages of cooling

Additional Features:
- Compressor Short Cycle Protection
- Adjustable 1st & 2nd Stage Temperature Differential
- Fº / Cº Switch
- Auxiliary Heat Fossil Fuel Switch
- Keypad Lockout
- Low Battery Indication

Additional Specifications:
- Dimensions: 4.63" x 5.00" x 1.25"
- Electric Rating: 24 Volt AC (18-30 Volt AC)
  1 amp maximum load per terminal
  4 amp total maximum load (all terminals)
- Temp. Differential: 1st Stage - .5º, 1º, or 2º F (.25º, .5º, or 1º C)
  2nd Stage - 2º, 3º, 4º, 5º, or 6º F (1º, 1.5º, 2º, 2.5º, or 3º C)
- Terminations: R, O, B, C, Y1, Y2, E/W1, W2, G, L

Model No.	Prod. No.
3200	**.113630**

DIGITAL NON-PROGRAMMABLE

Braeburn

3300

- 3 Heat / 2 Cool

Compatibility:
- Single stage or Multi-stage heat / cool systems including heat pumps with up to three stages of heating and two stages of cooling. Three stage heat available on heat pump systems.
- 250mv – 750mv millivolt heating systems

Additional Features:
- Adjustable Compressor Short Cycle Protection
- Filter, UV & Humidifier Pad Check Monitor
- Remote Indoor / Outdoor Sensor Compatible
- Adjustable Heat Pump Balance Points
- Adjustable Temperature Set Point Limits
- Separate Installer & User Setup Modes
- View Set Point & Temp. at the Same Time
- Simple Menu-Driven Programming
- Programmable AC Monitoring
- Auxiliary Heat Fossil Fuel Option
- Multi-Level Keypad Lockout
- Compressor Power Outage Protection

Additional Specifications:
- Dimensions: 4.63" x 5.00" x 1.20"
- Electric Rating: 24 Volt AC (18-30 Volt AC)
  1 amp maximum load per terminal
  5 amp total maximum load (all terminals)
- Temp. Differential: 1st Stage - .2º, .5º, or 1º F (.1º, .25º, or .51º C)
  2nd & 3rd Stage - 1º, 2º, 3º, 4º, 5º or 6º F (.5º, 1º, 1.5º, 2º, 2.5º, or 3º C)
- Terminations: G, Rc, Rh, W2, B, O, Y1, Y2, W1/E/W3, C, L, S1, S2

5 YEAR LIMITED WARRANTY

Model No.	Prod. No.
3300	**.59919**

MECHANICAL

Braeburn

Common Features:
- Dependable Switch Performance
- Environmentally Safe – Mercury-Free
- Integrated Sub-Base & Front Mounted Wiring Terminals Make Installation Easy
- Plated Terminals Reduce Corrosion
- No Leveling Required During Installation
- Heavy Duty Heat Anticipator

1 YEAR LIMITED WARRANTY

Common Specifications:
- Dimensions: 4.60" x 3.13" x 1.25"
- Electric Rating: 24 Volt AC (18-30 Volt AC)
- Heat Anticipation: 0.15 to 1.2 amps
- Control Range: 50º to 90º F (10º to 32º C)
- Operating Humidity: 5% to 95% Relative Humidity

500

Features:
- Separate O & B Terminals

Specifications:
- System Lever: Cool / Off / Heat
- Fan Control Lever: Auto / On
- Terminations: O, G, Rc, Rh, B, Y, W

Compatibility:
- Single stage gas, oil, or electric heating & cooling systems
- Single stage heat pump systems
- 250mv – 750mv millivolt heating systems

Model No.	Prod. No.
500 – 1 Heat / 1 Cool	**.52313**

505

Specifications:
- System Lever: Off / Heat
- Terminations: Rh, W

Compatibility:
- Single stage gas, oil, or electric heating systems
- 250mv – 750mv millivolt heating systems

Model No.	Prod. No.
505 – Heat Only	**.162882**

ACCESSORIES

Braeburn

Construction Thermostat

- Install in Place of Standard Thermostat During Construction
- Maintains Fixed Temperature Setpoint of 65º Heat
- Tamper-proof Design Prevents Temp. Adj.
- Lowers Costs–Can be Reused

Model No.	Prod. No.
165	**.59282**

Capitol Group

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Remote Indoor Sensor

- Contemporary Style for Any Decor
- Compatible with Braeburn 5300 or 5400 Thermostats
- Use in Averaging or Stand Alone Mode

Model No.	Prod. No.
5390	**.116063**

Remote Outdoor Sensor

- Mounts Outdoors up to 200 Feet Away
- Auto Detected by Braeburn Thermostats
- Enables Outdoor Control Functions on the Braeburn 5400 Thermostat

Model No.	Prod. No.
5490	**.116327**

Universal Thermostat Guard

- Tamper Resistant Design
- Slim Contemporary Style
- Strong Durable Clear Plastic
- Two Keys Included
- Universal–Fits Virtually All Thermostats

Model No.	Prod. No.
5970	**.60049**

Universal Wall Plate

- Cover Mounting Marks from Old Thermostats
- Use with All Braeburn Thermostats

Model No.	Prod. No.
2950	**.59778**

QUICK REFERENCE

Honeywell

■ Wireless FocusPRO Systems (Non-Zoned)

Model	YTH6320R1001
Kit Includes	Programmable FocusPRO, Equipment Interface Module & Return Air Sensor
Stages	Up to 3 Heat / 2 Cool Heat Pump or 2 Heat / 2 Cool Conventional
Application	Gas, Oil or Electric – Heat Pump – Forced Warm Air – Hot Water – Steam/Gravity
Schedule Options	5-1-1 / 5-2 Day ▪ Temporary Override ▪ Permanent Hold
Power Method	Equip. Interface Module–Hardwired ▪ FocusPRO–Battery
Wiring Terminals	Equip. Interface Module: C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS, RAS
Display	FocusPRO–5.09 sq. in. / Portable Comfort Control–7 sq. in. On-Demand Backlighting
Limited Warranty	FocusPRO & Equip Interface Module–5 Year

■ Digital Programmable

Model	THX9321R5030	YTH9421C1010*	TH8110U1003	TH8320U1008	TH8321U1006
Program Options	7-Day	7-Day	7-Day	7-Day	7-Day w/dehumidification
Application	Gas, Oil or Electric – Heat Pump	Gas, Oil or Electric – Heat Pump	Gas, Oil or Electric – Heat Pump – Millivolt	Gas, Oil or Electric – Heat Pump – Millivolt	Gas, Oil or Electric – Heat Pump – Millivolt
Stages	Up to 3 Heat / 2 Cool Heat Pump – Up to 2 Heat / 2 Cool Conventional	Up to 4 Heat / 2 Cool Heat Pump – Up to 3 Heat / 2 Cool Conventional	1 Heat / 1 Cool	Up to 3 Heat / 2 Cool Heat Pump – Up to 2 Heat / 2 Cool Conventional	Up to 3 Heat / 2 Cool Heat Pump – Up to 2 Heat / 2 Cool Conventional
Power Method	Hardwire	Communicating	Dual Powered	Dual Powered	Dual Powered
Terminations	C, R, Rc, W-O/B, W2-AUX/E, Y, Y2, G, L, K, HUM, HUM, DHM, DHM	1, 2, 3, C, R, Rc, Rh, W1-O/B, W2-AUX, W3-AUX2, Y, Y2, G, L, HUM1, HUM2, DHM1, DHM2, VNT1, VNT2, OUT1, OUT2, IN1, IN2, DATS1, DATS2	R, Rc, W-O/B, Y, G, C, S1, S2	R, Rc, W-O/B, W2-AUX, Y, Y2, L, E, G, C, S1, S2	R, Rc, W-O/B, W2-AUX, Y, Y2, L, E, G, C, S1, S2
Display	8 sq. in. High Definition Color, On-Demand & Continuous Backlighting	10 sq. in. On-Demand & Continuous Backlighting	10 sq. in. On-Demand & Continuous Backlighting	10 sq. in. On-Demand & Continuous Backlighting	10 sq. in. On-Demand & Continuous Backlighting
User Interface	Touchscreen	Touchscreen	Touchscreen	Touchscreen	Touchscreen
Keypad Lockout	Yes	Yes	Yes	Yes	Yes
Limited Warranty	5 Year	5 Year	5 Year	5 Year	5 Year

*Includes Thermostat, Equipment Interface Module & Outdoor Temperature Sensor

■ Digital Programmable

Model	TH6110D1005	TH6110D1021	TH4110D1007	TH4210D1005	TL8100A1008
Program Options	5-1-1 / 5-2	5-1-1 / 5-2	5-2	5-2	7-Day
Application	Gas, Oil or Electric – Heat Pump – Millivolt	Gas, Oil or Electric – Heat Pump – Millivolt	Gas, Oil or Electric – Heat Pump – Millivolt	Heat Pump	Radiant Heat (Hydronic)
Stages	1 Heat / 1 Cool	1 Heat / 1 Cool	1 Heat / 1 Cool	2 Heat / 1 Cool - Heat Pump	1 Heat
Power Method	Dual Powered	Dual Powered	Dual Powered	Dual Powered	Dual Powered
Terminations	R, Rc, W-O/B, Y, G, C	R, Rc, W-O/B, Y, G, C	R, Rc, C, W, O, B, Y, G	R, C, Y, AUX, O, B, E, G, L	R, W, (X, C, optional remote input)
Display	3.75 sq. in. On-Demand Backlighting	5.09 sq. in. On-Demand Backlighting	1.73 sq. in. On-Demand Backlighting	1.73 sq. in. On-Demand Backlighting	No Backlighting
User Interface	Soft Keys	Soft Keys	Slide Switches	Slide Switches	Push Button
Keypad Lockout	No	No	No	No	No
Limited Warranty	5 Year	5 Year	5 Year	5 Year	5 Year

QUICK REFERENCE

Honeywell

■ **Non-Programmable**

Model	TH5110D1022	TH3110D1008	TH3210D1004	T87N1000	T87N1026
Application	Gas, Oil or Electric – Heat Pump – Millivolt	Gas, Oil or Electric – Heat Pump – Millivolt	Heat Pump	Gas, Oil or Electric – Heat Pump	
Stages	1 Heat / 1 Cool	1 Heat / 1 Cool	2 Heat / 1 Cool Heat Pump	1 Heat / 1 Cool	
Power Method	Dual Powered	Dual Powered	Dual Powered	Battery Assisted Power Stealing	
Terminations	R, Rc, W-O/B, Y, G, C	R, Rc, C, W, O, B, Y, G	R, C, Y, AUX, O, B, E, G, L	R, Rc, W, Y, G, O, B	
Display	2.98 sq. in. On-Demand Backlighting	1.32 sq. in. On-Demand Backlighting	1.32 sq. in. On-Demand Backlighting	N/A	N/A
User Interface	Soft Keys	Slide Switches	Slide Switches	Dial	Easy-To-See
Limited Warranty	5 Year	5 Year	5 Year	5 Year	

WIRELESS FOCUSPRO SYSTEMS (Non-Zoned)

Honeywell

YTH6320R1001

5-1-1 / 5-2 Day Programmable

Application:
- Gas, Oil, Electric, Heat Pump, Forced Warm Air, Hot Water, Steam/Gravity

Includes:
Programmable FocusPRO, Equipment Interface Module & Return Air Sensor

Features:
- Wireless communication to equipment with an Equipment Interface Module
- Relocate a thermostat or upgrade equipment without running new wires
- Return Air Sensor for backup protection

5-YEAR WARRANTY

Model No.	Prod. No.
YTH6320R1001	**.152717**

Specifications:
- Stages: Up to 3H/2C Heat Pump or 2H/2C Conventional
- Power Method: Equip Interface Module: Hardwired; FocusPRO: Battery
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Backup Control
- Temporary Override
- Simultaneous Display of Room & Set Temperatures
- Terminations: C, R, Rc, Rh, W-O/B, W2-Aux/E, Y, Y2, G, L, RAS, RAS
- Adaptive Intelligent Recovery
- Permanent Hold

DIGITAL PROGRAMMABLE

Honeywell

THX9321R5030

7-Day Programmable

Application:
- Gas, Oil, Electric, Heat Pump

5-YEAR WARRANTY

REDLINK Wireless Technology

- RedLINK™ enabled to communicate with compatible wireless devices
- Configurable alert messages for customizing pre-loaded service reminders to direct customers to you
- USB Port for transferring installer setup options and adding dealer logo on-screen

Model No.	Prod. No.
THX9321R5030	**.154662**

Specifications:
- Stages: Up to 3H/2C Heat Pump – Up to 2H/2C Conventional
- Power Method: Hardwire
- Changeover: Selectable Auto or Manual
- Viewable Display Size: 8 sq. in. - High Definition
- Permanent Memory Retention
- Keypad Lockout
- Dual-Fuel Heat Pump Operation
- Programmable & Circulation Fan
- On Screen Help
- Adaptive Intelligent Recovery
- Permanent & Vacation Hold
- Interview-Based Programming
- Real-Time Clock
- Advance Duel Fuel Heat Pump Operation
- Temporary Override – Fixed & Adjustable
- Humidification, Dehumidification & Ventilation Control
- Simultaneous Display of Room & Set Temperature
- Filter, Humidifier Pad, UV Lamp Replacement Reminders
- Terminations: C, R, Rc, W-O/B, W2-AUX//E, Y, Y2, G, L, K, HUM, HUM, DHM, DHM

Thermostats

DIGITAL PROGRAMMABLE

Honeywell

YTH9421C1010

7 Day Programmable
Application:
▪ Gas, Oil, Electric, Heat Pump
Includes:
Programmable VisionPRO, Equipment Interface Module & Outdoor Temperature Sensor

5-YEAR WARRANTY

Model No.	Prod. No.
YTH9421C1010	.152722

Specifications:
- Stages: Up to 4H/2C Heat Pump – Up to 3H/2C Conventional
- Power Method: Communicating
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Keypad Lockout
- Permanent & Vacation Hold
- Programmable & Circulation Fan
- Viewable Display Size: 10 sq. in.
- Temporary Override – Fixed & Adjustable
- Advance Dual-Fuel Heat Pump Operation
- Humidification, Dehumidification & Ventilation Control
- Simultaneous Display of Room & Set Temperatures
- Terminations: 1, 2, 3, C, R, Rc, Rh, W1-O/B, W2-AUX, W3-AUX2, Y, Y2, G, L, HUM1, HUM2, DHM1, DHM2, VNT1, VNT2, OUT1, OUT2, IN1, IN2, DATS1, DATS2

TH8110U1003

7 Day Programmable
Application:
▪ Gas, Oil, Electric, Heat Pump & Millivolt

5-YEAR WARRANTY

Model No.	Prod. No.
TH8110U1003	.152720

Specifications:
- Stages: 1H/1C
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Keypad Lockout
- Permanent & Vacation Hold
- Programmable & Circulation Fan
- Viewable Display Size: 10 sq. in.
- Temporary Override – Fixed & Adjustable
- Simultaneous Display of Room & Set Temperature
- Terminations: R, Rc, W-O/B, Y, G, C, S1, S2

TH83820U1008

7 Day Programmable
Application:
▪ Gas, Oil, Electric, Heat Pump & Millivolt

5-YEAR WARRANTY

Model No.	Prod. No.
TH8320U1008	.152721

Specifications:
- Stages: Up to 3H/2C Heat Pump – Up to 2H/2C Conventional
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Keypad Lockout
- Permanent & Vacation Hold
- Dual Fuel Heat Pump Operation
- Viewable Display Size: 10 sq. in.
- Temporary Override – Fixed & Adjustable
- Programmable & Circulation Fan
- Simultaneous Display of Room & Set Temperature
- Terminations: R, Rc, W-O/B, W2-AUX, Y, Y2, L, E, G, C, S1, S2

TH83821U1006

7 Day Programmable
With Dehumidification
Application:
▪ Gas, Oil, Electric, Heat Pump & Millivolt

5-YEAR WARRANTY

Model No.	Prod. No.
TH8321U1006	.153803

Specifications:
- Stages: Up to 3H/2C Heat Pump – Up to 2H/2C Conventional
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Keypad Lockout
- Permanent & Vacation Hold
- Dehumidification Control
- Viewable Display Size: 10 sq. in.
- Temporary Override – Fixed & Adjustable
- Dual Fuel Heat Pump Operation
- Programmable & Circulation Fan
- Simultaneous Display of Room & Set Temperature
- Terminations: R, Rc, W-O/B, W2-AUX, Y, Y2, L, E, G, C, S1, S2

DIGITAL PROGRAMMABLE

Honeywell

TH6110D1005

TH6110D1021

5-1-1 / 5-2 Programmable
Application:
- Gas, Oil, Electric, Heat Pump & Millivolt

5 YEAR WARRANTY

Specifications:
- Stages: 1H/1C
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Permanent Hold
- Temporary Override
- Simultaneous Display of Room & Set Temperature
- Terminations: R, Rc, W-O/B, Y, G, C

Model No.	Prod. No.
TH6110D1005 – Display Size: 3.75 sq. in.	**.152728**

Model No.	Prod. No.
TH6110D1021– Display Size: 5.09 sq. in.	**.158940**

TH4110D1007

5-2 Programmable
Application:
- Gas, Oil, Electric, Heat Pump & Millivolt

5 YEAR WARRANTY

Specifications:
- Stages: 1H/1C
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Permanent Hold
- Viewable Display Size: 1.73 sq. in.
- Temporary Override
- Simultaneous Display of Room & Set Temperature
- Terminations: R, Rc, C, W, O, B, Y, G

Model No.	Prod. No.
TH4110D1007	**.152730**

TH4210D1005

5-2 Programmable
Application:
- Gas, Oil, Electric, Heat Pump & Millivolt

5 YEAR WARRANTY

Specifications:
- Stages: 2H/1C – Heat Pump
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Manual
- Permanent Memory Retention
- Adaptive Intelligent Recovery
- Permanent Hold
- Viewable Display Size: 1.73 sq. in.
- Temporary Override
- Simultaneous Display of Room & Set Temperature
- Terminations: R, Rc, C, W, O, B, Y, G

Model No.	Prod. No.
TH4210D1005	**.158942**

TL8100A1008

7-Day Programmable
Application:
- Hydronic & Electric Heating Systems

5 YEAR WARRANTY

Specifications:
- Stages: 1H
- Power Method: Dual Powered (Battery & Hardwired)
- Dimensions: 4.9" H x 3.8" W x 1" D
- Terminations: R, W, (X, C, optional remote input)
- Pump Protection
- Low Battery Indicator
- Mounts Vertical
- Switching Action: SPDT

Model No.	Prod. No.
TL8100A1008	**.166509**

TH5110D1022

Application:
- Gas, Oil, Electric, Heat Pump & Millivolt

5 YEAR WARRANTY

Specifications:
- Stages: 1H/1C
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Selectable Auto or Manual
- Permanent Memory Retention
- Viewable Display Size: 2.98 sq. in.
- Temperature Setpoint Limits
- Simultaneous Display of Room and Set Temperatures
- Terminations: R, Rc, W-O/B, Y, G, C

Model No.	Prod. No.
TH5110D1022	**.158939**

Thermostats

NON-PROGRAMMABLE

Honeywell

TH3110D1008

Application:
- Gas, Oil, Electric, Heat Pump & Millivolt

5-YEAR WARRANTY

Specifications:
- Stages: 1H/1C
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Manual
- Permanent Memory Retention
- Viewable Display Size: 1.32 sq. in.
- Simultaneous Display of Room and Set Temperatures
- Terminations: R, Rc, C, W, O, B, Y, G

Model No.	Prod. No.
TH3110D1008	**.158937**

TH3210D1004

Application:
- Heat Pump

5-YEAR WARRANTY

Specifications:
- Stages: 2H/1C Heat Pump
- Power Method: Dual Powered (Battery & Hardwired)
- Changeover: Manual
- Permanent Memory Retention
- Viewable Display Size: 1.32 sq. in.
- Simultaneous Display of Room and Set Temperatures
- Terminations: R, C, Y, AUX, O, B, E, G, L

Model No.	Prod. No.
TH3210D1004	**.159108**

T87N1000 Dial

T87N1026 Easy-To-See

Application:
- Gas, Oil or Electric, Heat Pump

Specifications:
- Stages: 1H/1C
- Power Method: Battery Assisted Power Stealing
- Changeover: Manual
- Terminations: R, Rc, W, Y, G, O, B

5-YEAR WARRANTY

Model No.	Prod. No.
T87N1000	**.152731**

Model No.	Prod. No.
T87N1026	**.153799**

ACCESSORIES

Honeywell

Portable Comfort Control

- Sense and control temperature from any room
- With zoning, change the temperature in any zone from one device
- Works with the Wireless Outdoor Sensor to display outdoor temperature and humidity
- Can be paged with an audible noise from any RedLINK-enabled thermostat

Model No.	Prod. No.
REM500R1001	**.158945**

Wireless Outdoor Sensor

- Installs with two simple mounting screws and a touch of a button
- Includes 2 lithium batteries for reliable performance in any climate
- Wirelessly sends signal to display outdoor temperature and humidity on all RedLINK-enabled devices

Model No.	Prod. No.
C7089R1013	**.158946**

QUICK REFERENCE

White Rodgers

■ Digital Programmable

Model	1F95-1277	1F95EZ-0671	1F80-0261	1F78-151
Description	7 Day or 5+1+1 or Non-Programmable	7 Day or Non-Programmable	5-1-1 Day Programmable	5-2 Day Programmable
Compatibility	Single Stage/Multi-Stage/Heat Pump	Multi-Stage H/C or Heat Pump	Single Stage H/C or Heat Pump	Single Stage H/C or Heat Pump
Staging	2 Heat / 2 Cool – 3 Heat / 2 Cool Heat Pump	4 Heat / 2 Cool	1 Heat / 1 Cool	1 Heat / 1 Cool
Programming	7 Day, 5+1+1, 0	7 Day, 0	5-1-1 Day	5-2 Day
Power	Battery, Hardwire	Hardwire/Battery/Power Stealing Assist	Battery, Hardwire	Battery
Terminations	RC, RH, C, W/E, W2, Y, Y2, G, L. O, B, 6, +, S, -	Rh, Rc, C, Y, Y2, W/E, W2, G, O/B, L	R, C Y, W, G, O/B	Rh, Rc, Y, W, G, O, B
Display	12 sq. in. Blue Touchscreen	6.0 sq. in. Blue LED, Backlit	2.2 sq. in. Digital Backlit	1.2 sq. in. LED Backlit
Keypad Lockout	Yes	No	No	No
Temporary Prog. Override	Yes	Yes	Yes	No
Temp. Limiting	Yes	Yes	No	No
Programmable Fan	Yes	Yes	No	No
Humidity Control	No	No	No	No
Warranty	5 Year	5 Year	5 Year	5 Year

■ Digital Non-Programmable

Model	1F89-211	1F86-0244	1F78-144
Description	Non-Programmable	Non-Programmable	Non-Programmable
Compatibility	Heat Pump	Single Stage H/C or Heat Pump	Single Stage H/C or Heat Pump
Staging	2 Heat / 1 Cool	1 Heat / 1 Cool	1 Heat / 1 Cool
Power	Battery, Hardwire	Battery, Hardwire	Battery
Terminations	R, C, Y, W2, G, O/B, L	Rh, Rc, C, Y, W, G, O, B	Rh, Rc, Y, W, G, O, B
Display	1.8 sq. in. Lighted Display	2.0 sq. in. Digital Backlit	1.2 sq. in. LCD
Keypad Lockout	No	No	No
Programmable Fan	No	No	No
Humidity Control	No	No	No
Warranty	1 Year	5 Year	5 Year

■ Mechanical

Model	1C20-101
Compatibility	Conventional Systems
Staging	1 Heat
Power	Hardwire
Terminations	Rh, W
Display	Analog
Fan Switching	None
System Switching	Heat - Off
Warranty	1 Year

■ Line Voltage

Model	1A65W-641
Description	Line Voltage
Application	Heating Only
Switch Type	SPST
Switch Action	Open on Rise
Sensor Type	Bimetal
Display	Analog
Voltage Range	120 to 277 VAC
Warranty	1 Year

Thermostats

DIGITAL PROGRAMMABLE

White Rodgers

1F95-1277

7 Day, 5+1+1 or Non-programmable

TOUCHSCREEN:

- Large 12 sq. in. touchscreen display
- Blue, lighted display for easier low-light viewing
- Extra-large touch keys

Model No.	Prod. No.
1F95-1277	**.127672**

Specifications:

- Dimensions: 4.6" x 5.9" x 1.2"
- Battery Power: mV to 30 VAC, NEC Class II, 50/60 Hz or DC
- Input-Hardwire: 20 to 30 VAC
- Terminal Load: 1.5A per terminal, 2.5A maximum all terminals combined
- Setpoint Range: 45º to 99°F (7º to 37°C)
- Differential (Single Stage): Heat 0.6°F; Cool 1.2°F
- Differential (Multi-Stage): Heat 0.6°F; Cool 1.2°F
- Differential (Heat Pump): Heat 1.2°F; Cool 1.5°F
- Operating Ambient: 32°F to +105°F (0º to +41°C)
- Operating Humidity: 90% non-condensing max.
- Terminations: RC, RH, C, W/E, W2, Y, Y2, G, O, B, 6, L, +, S, -

Additional Features:

- Programmable fan
- Circulator fan cycling
- Automatic daylight savings option
- Dual-fuel heat pump control
- Patented Cool Savings
- Enhanced security settings
- 3 wire zone valve
- Humidifier pad change reminder
- Furnace filter change reminder
- Compressor lockout protection

1F95EZ-0671

7 Day or Non-programmable

BLUE™ EASY READER:

- Large, 6-square-inch display
- Blue, lighted display for easier low-light viewing
- Large, easy-to-read character size
- Large "one-button one-function" keys for easy operation

Model No.	Prod. No.
1F95EZ-0671	**.65220**

Specifications:

- Dimensions: 4.2" x 6.4" x 1.7"
- Battery Power: mV to 30 VAC, NEC Class II, 50/60 Hz or DC
- Input-Hardwire: 20 to 30 VAC
- Terminal Load: 1.5A per terminal, 2.5A maximum all terminals combined
- Setpoint Range: 45º to 90°F (7º to 32°C)
- Differential (Single Stage): Heat 0.6°F; Cool 1.2°F
- Differential (Multi-Stage): Heat 0.6°F; Cool 1.2°F
- Differential (Heat Pump): Heat 1.2°F; Cool 1.2°F
- Operating Ambient: 32°F to +105°F (0º to +41°C)
- Operating Humidity: 90% non-condensing max.
- Terminations: Rh, Rc, C, Y, Y2, W/E, W2, G, O/B, L

1F80-0261

5-1-1 Day Programmable

Application:

For use with the following Class II systems:

- Single Stage systems
- Single-stage heat pump systems with no Aux heat

Model No.	Prod. No.
1F80-0261	**.6730**

Specifications:

- Dimensions: 4.8" x 3.8" x 1.5"
- Electrical Rating: mV to 30 VAC, 50/60 Hz or DC
- Terminal Load: 1.0A per terminal, 1.5A maximum all terminals combined
- Setpoint Range: 45º to 90°F (7º to 32°C)
- Rated Differential: 0.6º to 1.7ºF with adjustable anticipation
- Operating Ambient: 32°F to +105°F (0º to +41°C)
- Operating Humidity: 90% non-condensing max.
- Mounting: Horizontal
- Terminations: R, C, Y, W, G, O/B

1F78-151

5-2 Day Programmable

Application:

- Single Stage gas, oil, electric
- Single-stage heat pump
- Millivolt compatible

Model No.	Prod. No.
1F78-151	**.40512**

Specifications:

- Dimensions: 5.1" x 3.75" x 1.1"
- Electrical Rating: mV to 30 VAC, 50/60 Hz or DC
- Terminal Load: 0.05 to 1.0 Amps (Load per terminal)
  1.5 Amps Maximum Total Load (All terminals combined)
- Setpoint Range: 45º to 90°F (7º to 32°C)
- Rated Differential: 0.6º to 1.9ºF with adjustable anticipation
- Operating Ambient: 32°F to 105°F (0º to 41°C)
- Operating Humidity: 90% non-condensing max.
- Mounting: Horizontal
- Terminations: Rh, Rc, Y, W, G, O, B

DIGITAL NON-PROGRAMMABLE

White Rodgers

1F89-211

Non-programmable
Standard systems:
- Heat Pump – 2 stage heat, 1 stage cool
- Single-stage heat pump

Specifications:
- Dimensions: 3.8" x 6.1" x 1.1"
- Rating: 20 to 30 VAC, 50/60 Hz or DC
- Terminal Load: 0.05 to 1.2A per terminal, 1.5A maximum all terminals combined
- Setpoint Range: 45º to 90°F (7º to 32°C)
- Rated Differential: 0.6° to 1.6ºF with adjustable anticipation
- Operating Ambient: 32°F to 105°F (0º to 40°C)
- Operating Humidity: 90% non-condensing max.
- Mounting: Horizontal
- Terminations: R, C, W2, Y, G, B/O, E, L

Model No.	Prod. No.
1F89-211	**.38872**

1F86-0244

Non-programmable
For use with the following Class II systems:
- Single Stage systems
- Single-stage heat pump systems with no Aux heat

Specifications:
- Dimensions: 4.8" x 3.8" x 1.5"
- Electrical Rating: mV to 30 VAC, 50/60 Hz or DC
- Input-Hardwire: 20 to 30 VAC
- Terminal Load: 1.0A per terminal, 1.5A maximum all terminals combined
- Setpoint Range: 45º to 90°F (7º to 32°C)
- Differential (Single Stage): Heat 0.6°F; Cool 1.2°F (adjustable)
- Differential (Heat Pump): Heat 1.2°F; Cool 1.2°F (adjustable)
- Operating Ambient: 32°F to +105°F (0º to +41°C)
- Operating Humidity: 90% non-condensing max.
- Mounting: Horizontal
- Terminations: Rh, Rc, C, Y, W, G, O, B

Model No.	Prod. No.
1F86-0244	**.125853**

1F78-144

Non-programmable
For use with the following Class II systems:
- Single Stage systems
- Single-stage heat pump systems with no Aux heat

Specifications:
- Dimensions: 4.8" x 3.8" x 1.5"
- Electrical Rating: 0 to 30 VAC, 50/60 Hz or DC
- Terminal Load: 0.05 to 1.0 Amps (Load per terminal)
  1.5 Amps maximum total load (All terminals combined)
- Setpoint Range: 45º to 90°F (7º to 32°C)
- Operating Ambient: 32°F to 105°F (0º to 41°C)
- Operating Humidity: 90% non-condensing max.
- Mounting: Horizontal
- Terminations: Rh, Rc, Y, W, G, O, B

Model No.	Prod. No.
1F78-144	**.29747**

MECHANICAL

White Rodgers

1C20-101

Vertical Snap-Action
Application:
- Heat Only
- Gas, Oil

Specifications:
- Dimensions: 3.75" x 2.9" x 1.5"
- Switch Rating: 24 VAC (30 VAC max.)
- Cooling: 0 to 1.5 Amps
- Anticipator Rating
  Cooling: Fixed
- Temperature Range: 50°F to 90°F (10º to 32°C)
- Operating Humidity: 90% non-condensing max.
- Mounting: Horizontal
- Terminations: Rh, W

Model No.	Prod. No.
1C20-101	**.127199**

Thermostats

LINE VOLTAGE

White Rodgers

1A65W-641

Electric Heat Thermostat is designed for use on all types of electrical heating installations such as cable heat, baseboards, wall insert heaters, etc. Its narrow operating differential and the ability of its fully exposed knob to sense both radiant heat and room air temperature make this control ideal for use on such installations.

Specifications:

- Dimensions: 4.5" x 2.75" x 1.25"
- Switch Rating: Non-Inductive
  - 22A (2500W) 120 VAC
  - 22A (5000W) 240 VAC
  - 18A (5000W) 277 VAC
- Temperature Range: 40°F to 85°F
- Differential: 1°F
- Switch Action: Open on rise
- Contact Structure: SPST
- Mounting: Standard 2 x 4 Electrical Box

Model No.	Prod. No.
1A65W-641 – White	**.150497**

ACCESSORIES

White Rodgers

Remote Outdoor Sensor

- Compatible with all White-Rodgers 90 Series Staging Thermostats with Outdoor Remote Sensing with 12ft. sensor lead

Model No.	Prod. No.
F145-1378	**.39612**

Thermostat Guard

- Will accept all White-Rodgers thermostat types
- Clear Plastic
- Ring Base Internal: 8-1/3 L x 4-5/8 H x 3-5/8 D
- Solid Base Internal: 8-1/4 L x 5-3/8 H x 3-1/2 D

Model No.	Prod. No.
F29-0198	**.163021**

NOTES